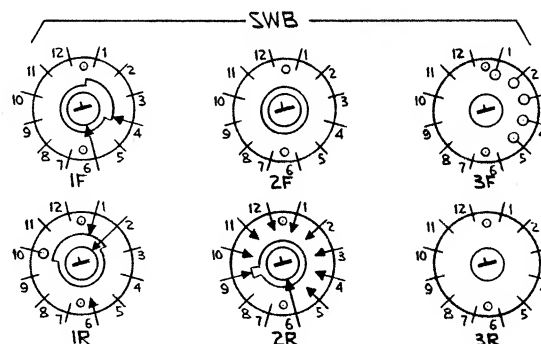
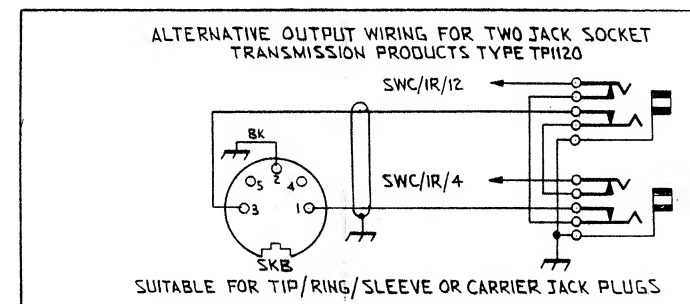
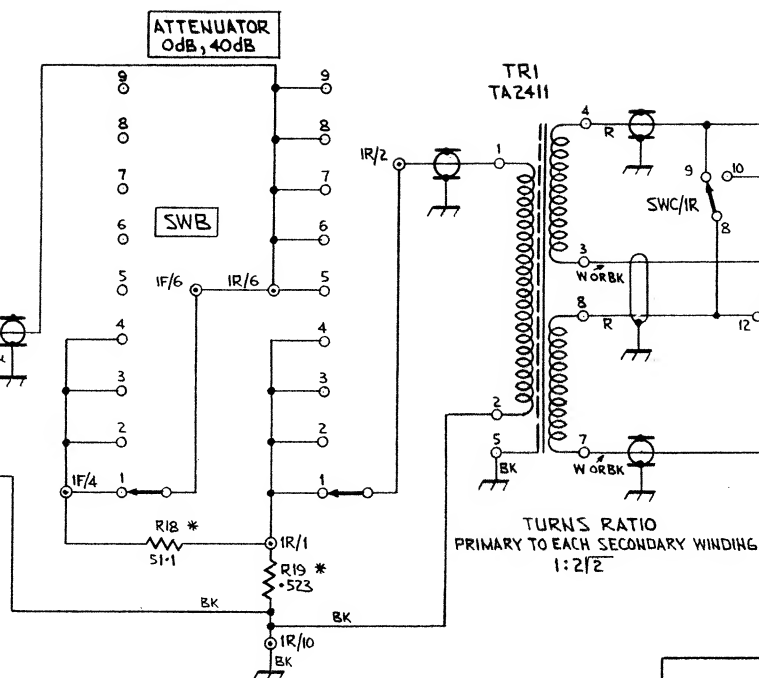
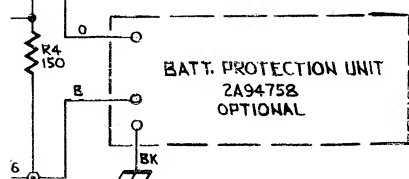
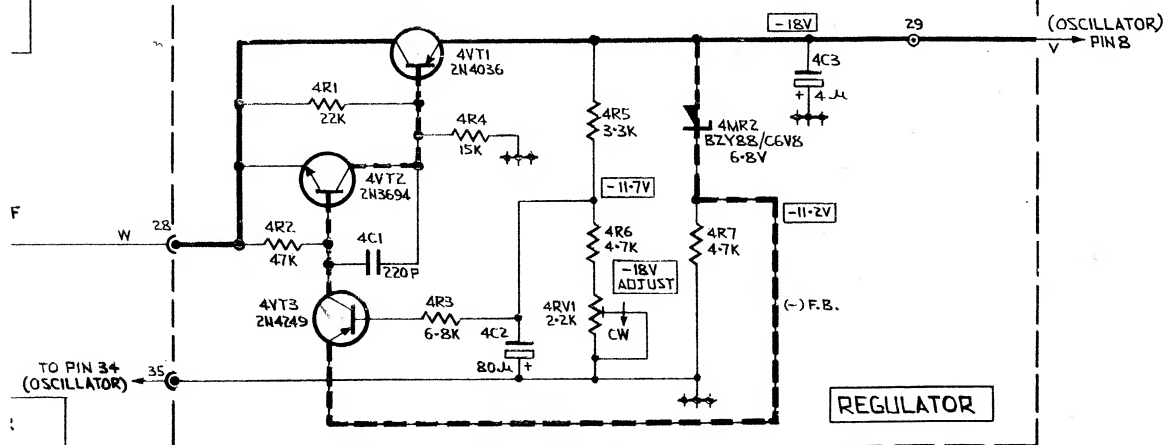
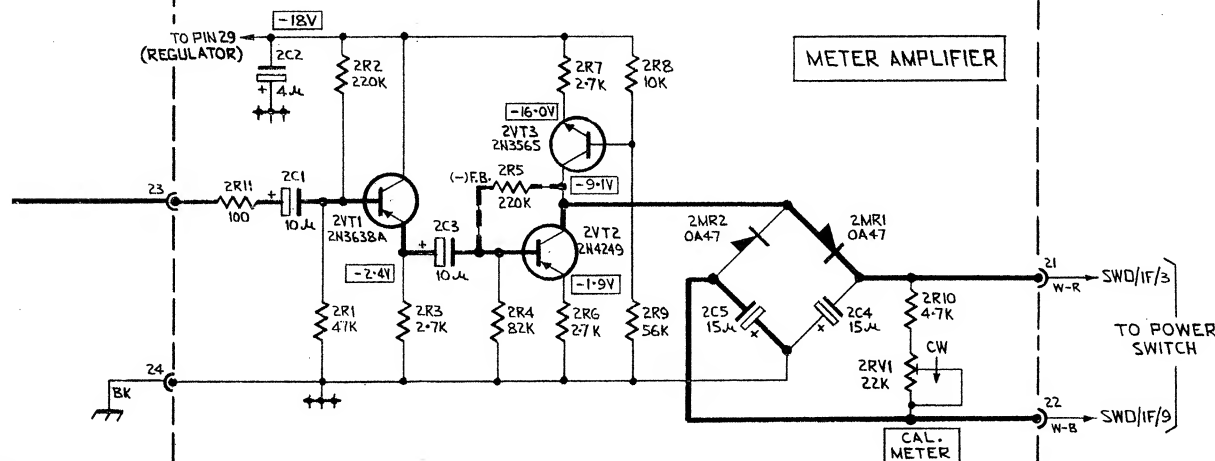
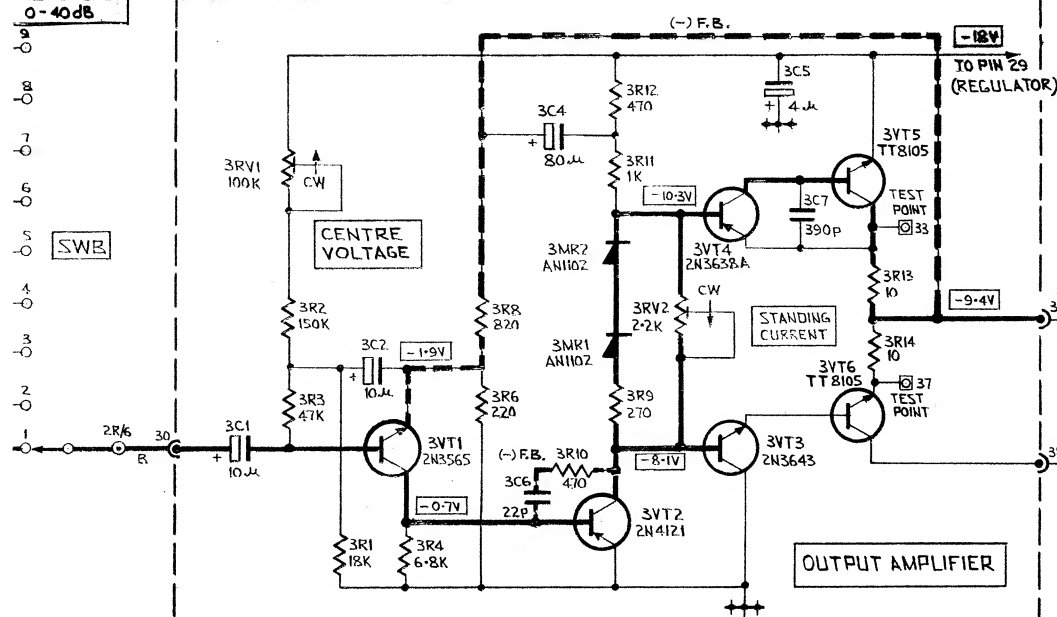
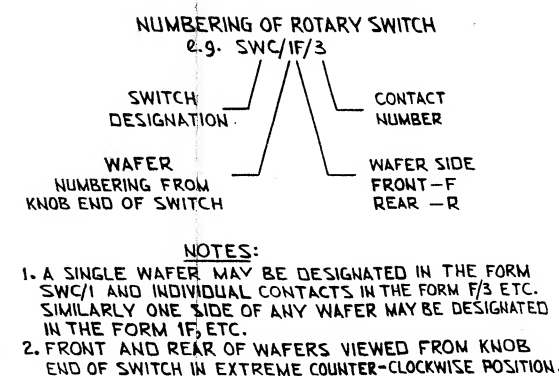


ATTENUATOR
dB STEPS
0-40dB

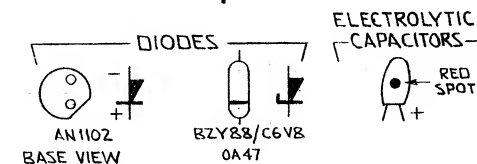
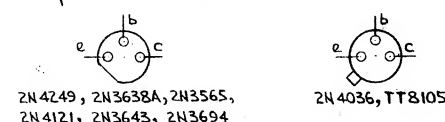


SWA FREQUENCY RANGE				SWB OUTPUT LEVEL		SWC Z SOURCE		SWD POWER	
LAMP	PUSH BUTTON	POSN. DRN.	POSITION	POSN. DRN.	POSITION	POSN. DRN.	POSITION	POSN. DRN.	POSITION
1	2	10Hz-110Hz	•	1	-60dB	•	1	40Ω	•
1	3	100Hz-1.1kHz	•	2	-50dB	•	2	600Ω	•
1	4	1kHz-11kHz	•	3	-40dB	•			•
3	5	10kHz-30kHz	•	4	-30dB	•			•
2	1+2	50Hz-110Hz	•	5	-20dB	•			•
2	1+3	500Hz-1.1kHz	•	6	-10dB	•			•
2	1+4	5kHz-11kHz	•	7	0 dB	•			•
			•	8	+10 dB	•			•
			•	9	+20 dB	•			•

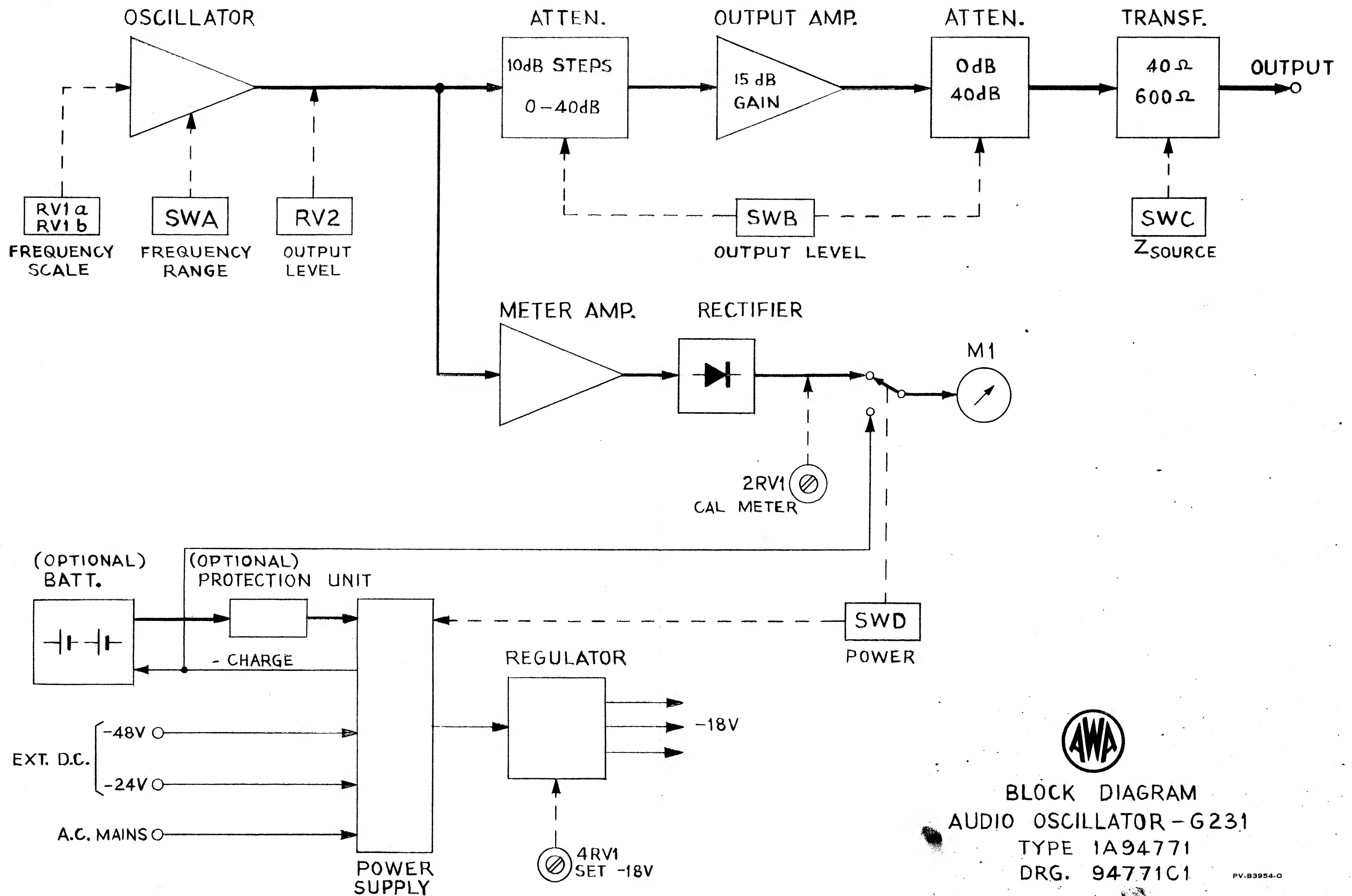


- NOTES:**
- 1. HEAVY LINES SIGNIFY MAIN CIRCUIT PATHS.
 - 2. DASHED LINES SHOW FEEDBACK PATHS.
 - 3. ALL D.C. VOLTAGES SHOWN ON THIS CIRCUIT MAY BE CHECKED WITH AN AVO MODEL 8 MULTIMETER, SET TO 10V OR 25V F.S.D.
 - 4. RESISTORS IN OHMS K=1,000 M=1,000,000
 - 5. * NOMINAL VALUE SHOWN, OPTIMUM VALUE SELECTED AT FACTORY.

BASE VIEWS OF TRANSISTORS

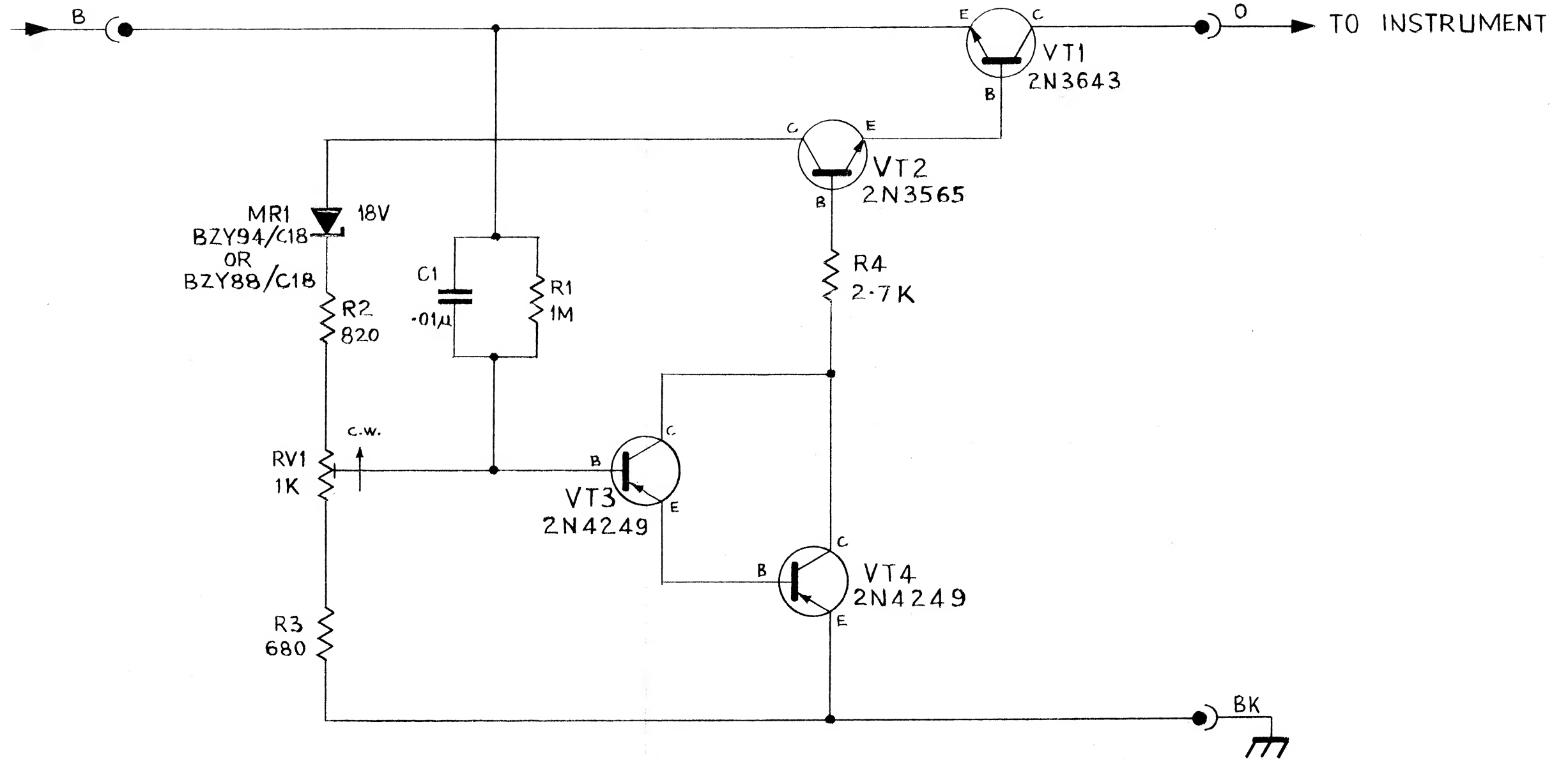


AUDIO OSCILLATOR G231
TYPE 1A94771
ORG.94771H1



BLOCK DIAGRAM
 AUDIO OSCILLATOR - G231
 TYPE 1A94771
 DRG. 94771C1

FROM
BATTERY

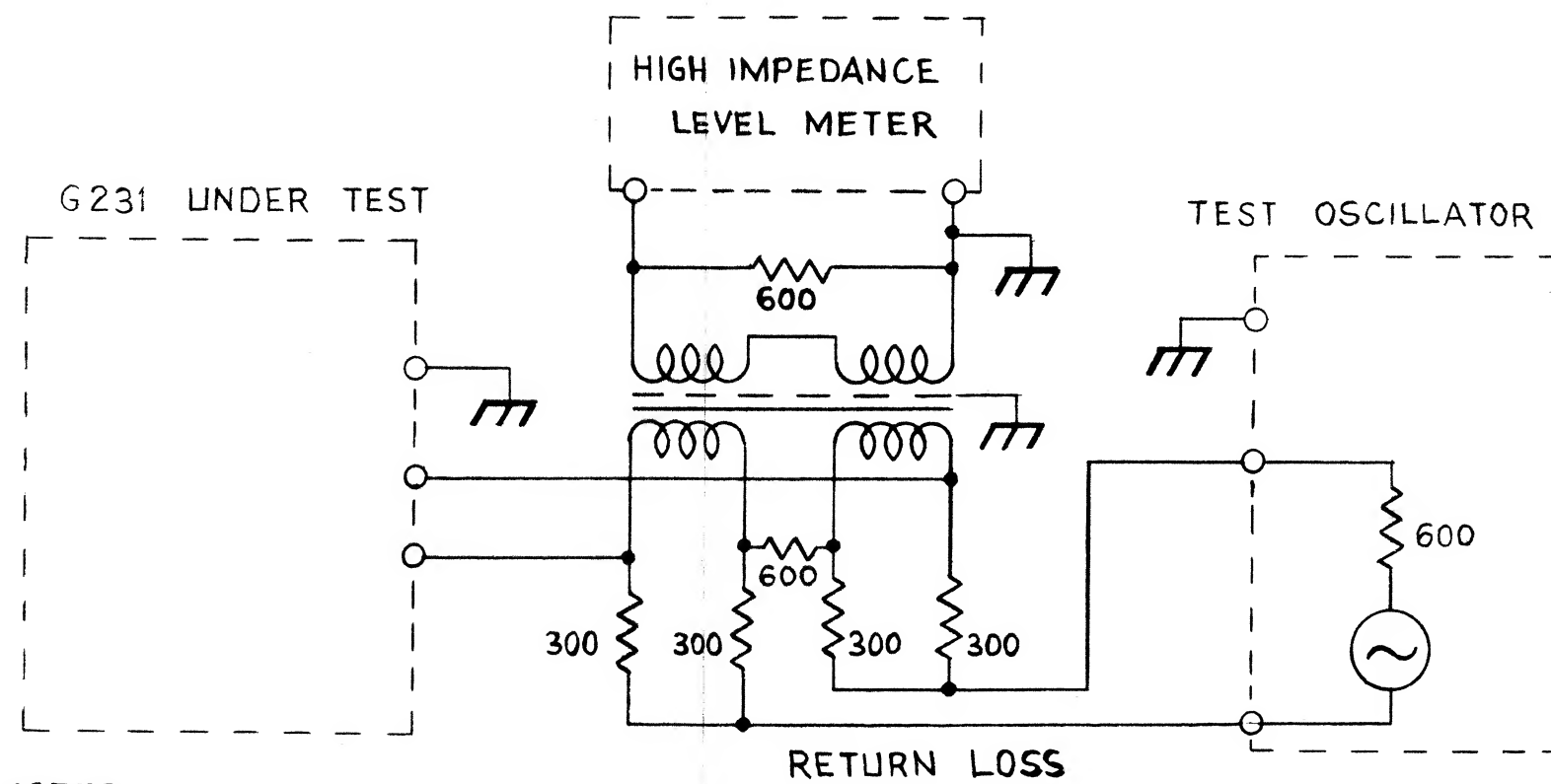
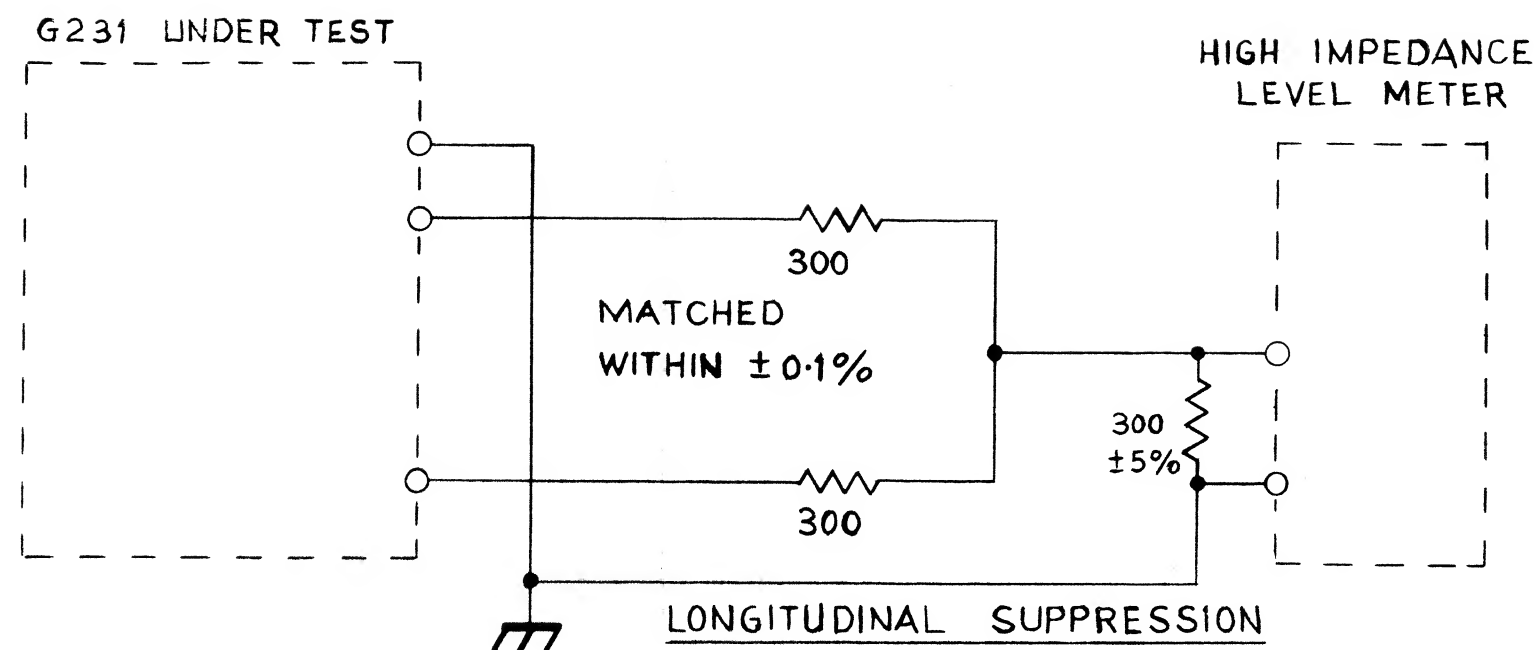


NOTES: 1. ADJUST RV1 FOR CUT-OUT AT POINT O
AS VOLTAGE AT B DROPS BELOW 21.5 V.

2. WHILE UNIT IS CONDUCTING CURRENT
BETWEEN B AND O,
VT1,3,4 ARE SATURATED OR APPROACHING
SATURATION.
(VT1 V_{CE} APPROX. 0.1V)



BATTERY PROTECTION UNIT
TYPE 2A-4A94758
DRG. 94758C2 PV-B3955-0



NOTES:

RESISTORS: — TOLERANCE $\pm 1\%$.

TRANSFORMER: — $150\Omega + 150\Omega$ PRIMARY.

$150\Omega + 150\Omega$ SECONDARY.

10Hz — 30kHz.

TRIMAX: — TA37A IS SUITABLE.



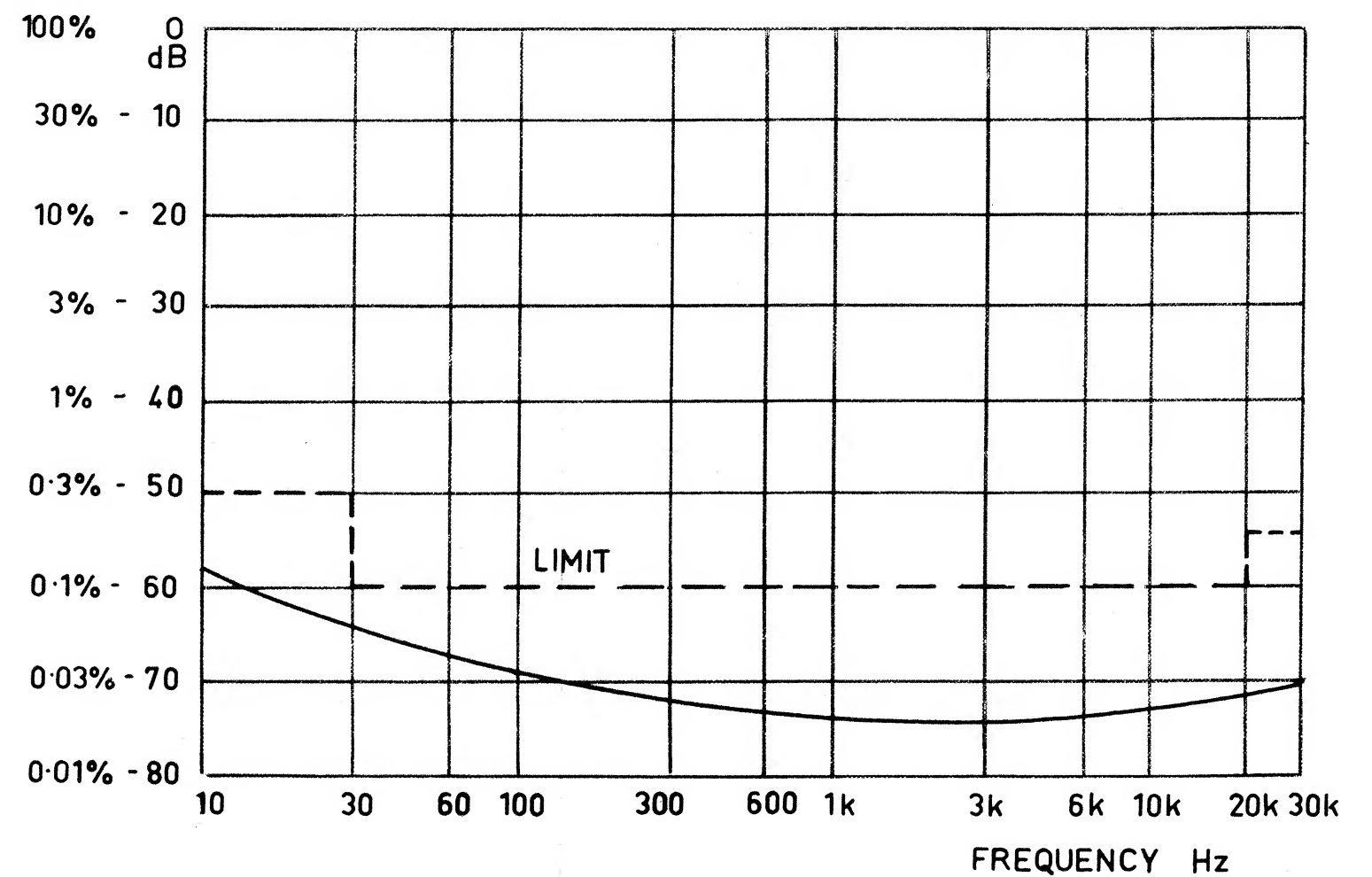
MEASUREMENT OF RETURN LOSS AND
LONGITUDINAL SUPPRESSION
AUDIO OSCILLATOR-G231

TYPE 1A94771

DRG. 94771D3

PV-B3956-0

DISTORTION



OUTPUT LEVEL 0 dBm
INTO 600 Ω



TOTAL HARMONIC DISTORTION
TYPICAL CURVE
AUDIO OSCILLATOR G231
DRG.94771D4 PV-B3957.0